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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/801,819	03/17/2004	Teru Yoneyama	Q80332	2517		
23373 SUGHRUE M	7590 01/18/2008 ION PLIC	EXAM	EXAMINER			
SUGHRUE MION, PLLC 2100 PENNSYLVANIA AVENUE, N.W. SUITE 800 WASHINGTON, DC 20037			SHAPIRO	SHAPIRO, LEONID		
			ART UNIT	PAPER NUMBER		
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			MAIL DATE	DELIVERY MODE		
			01/18/2008	PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application	No.	Applicant(s)					
Office Action Summary		10/801,819	01,819 YONEYAMA, TERU		U				
		Examiner		Art Unit					
		Leonid Shapi	ro	2629					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply									
WHICHEVER IS LONG - Extensions of time may be avarafter SIX (6) MONTHS from the If NO period for reply is specification. - Failure to reply within the set of	UTORY PERIOD FOR REPLY SER, FROM THE MAILING DANIAL BLAND AND AND AND AND AND AND AND AND AND	ATE OF THIS 36(a). In no event, will apply and will ex e, cause the applicat	COMMUNICATION however, may a reply be time control of the control	l. ely filed the mailing date of this co D (35 U.S.C. § 133).					
Status		,							
1) Responsive to co	ommunication(s) filed on 17 M	1arch 2004.							
2a) ☐ This action is FIN) This action is FINAL . 2b) ⊠ This action is non-final.								
<i>'</i> — · · ·	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is								
closed in accorda	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.								
Disposition of Claims									
4a) Of the above 5) ☐ Claim(s) is 6) ☒ Claim(s) <u>1,2 and</u> 7) ☒ Claim(s) <u>3-6 and</u>		wn from consi							
Application Papers									
9) The specification	is objected to by the Examine	er.							
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.									
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).									
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.									
Priority under 35 U.S.C. §	119								
12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b) ☐ Some * c) ☐ None of: 1. ☐ Certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application No 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.									
Attachment(s)	(PTO 902)	41	Interview Summer	(PTO 412)					
 Notice of References Cited Notice of Draftsperson's Pa Information Disclosure State Paper No(s)/Mail Date 	atent Drawing Review (PTO-948)	•	Interview Summary (Paper No(s)/Mail Da Notice of Informal Pa Other:	te					

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Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 1. Claims 1-2,7-12 are rejected under 35 U.S.C. 102(b) as being anticipated by Aizawa (US 5,796,767).

As to claim 1, Aizawa teaches a current drive circuit (col. 1, lines 6-8) comprising:

a current mirror circuit (fig. 4, items Q1-Q2,Q5, col. 6, lines 53-57);

a current source for applying reference current input to said current mirror circuit (fig. 4, item 4, col. 6, lines 39-45);

a switch means to which output current of said current mirror circuit is applied (fig. 4, items 2,Q7-Q8, col. 6, lines 58-67); and

a cascode circuit for supplying the output current of said switch means as a drive current (fig. 4, items Q3-Q8, col. 6, lines 46-52).

As to claim 2, Aizawa teaches a current drive circuit (col. 1, lines 6-8) comprising:

- a bias generator that includes:
- a first transistor in which a gate terminal and a drain terminal are connected together (fig.14, item Q3);
 - a second transistor in which a source terminal is connected to said

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drain terminal of said first transistor and a gate terminal and a drain terminal are connected together (fig.14, item Q4); and

a current supply that causes a reference current to flow to said second transistor (fig.14, items 4,Q4); and

a current output unit that includes:

a third transistor in which a gate terminal is connected to said gate terminal of said first transistor (fig.14, item Q7);

a fourth transistor in which a gate terminal is connected to said gate terminal of said second transistor (fig.14, item Q8); and

a switch means that is provided between a drain terminal of said third transistor and a source terminal of said fourth transistor (fig.14, item Q9).

As to claims 7-8, Aizawa teaches switch means is turned ON and OFF by a control signal (fig. 14, item 3).

As to claims 9-10, Aizawa teaches a graduation signal (fig. 14, item DT). As to claims 11-12, Aizawa teaches MOS transistor (col. 6, lines 46-52).

Allowable Subject Matter

2. Claims 3-6,13-20 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Relative to claim 3 the major difference between the teaching of the prior art of

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record (Aizawa) and the instant invention is that a plurality of said current output units; and a plurality of terminals that are connected to each of drain terminals of said fourth transistors of said plurality of said current output units.

Claims 4,13,15,17 depend on claim 3.

Relative to claim 3 the major difference between the teaching of the prior art of record (Aizawa) and the instant invention is that a plurality of current drive circuits; and a terminal that is connected to drain terminals of each of said fourth transistors of said plurality of said current drive circuits.

Claims 6,14,16,18 depend on claim 5.

Relative to claim 19 the major difference between the teaching of the prior art of record (Aizawa) and the instant invention is that organic EL elements that are arranged in a matrix; current drive circuits and scan circuits for causing drive currents to flow to said organic EL elements; and signal processing circuits for receiving image data signals as input, supplying graduation data signals to said current drive circuits, and supplying scan control signals to said scan circuits.

Relative to claim 20 the major difference between the teaching of the prior art of record (Aizawa) and the instant invention is that organic EL elements that are arranged in a matrix; current drive circuits and scan circuits for causing drive currents to flow to said organic EL elements; and signal processing circuits for receiving image data signals as input, supplying graduation data signals to said current drive circuits, and supplying scan control signals to said scan circuits.

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Telephone Inquire

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Leonid Shapiro whose telephone number is 571-272-7683. The examiner can normally be reached on 8 a.m. to 5 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Hjerpe can be reached on 571-272-7691. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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